

20020524.qrp v02_n565.qrl.20020524

Date: Fri, 24 May 2002 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2565

QRP-L Digest 2565

Topics covered in this issue include:

- 1) [127221] Re: Radio Conditions
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [127222] Radio Shack ALERT!
by "N8IE" <n8ie@woh.rr.com>
- 3) [127223] Re: Radio Conditions
by "Karl F. Larsen" <k5di@zianet.com>
- 4) [127224] Re: SPRAT CD - CORRECTION
by "John Moriarity" <k6qq@hdo.net>
- 5) [127225] Severe storm - still!
by Paul Harden <pharden@aoc.nrao.edu>
- 6) [127226] Re: Severe storm - still!
by geoff allsup <gallsup@whoi.edu>
- 7) [127227] Crystal designators
by "Tom" <kf4yyd@adelphia.net>
- 8) [127228] Re: Radio Shack ALERT!
by Paul Womble <pwomble1@tampabay.rr.com>
- 9) [127229] Wanted:Drew Diamond's Vol. II
by PDouglas12@aol.com
- 10) [127230] keys for sale
by Goemans <jgoemans@facstaff.wisc.edu>
- 11) [127231] Holy Grail Rig
by "James R. Duffey" <jamesd1@flash.net>
- 12) [127232] NCDXF Beacons
by "James R. Duffey" <jamesd1@flash.net>
- 13) [127233] Other Beacon Sources
by "Pat J. Whelton" <pwhelton@hal-pc.org>
- 14) [127234] Re: Crystal designators
by "Trevor Jacobs" <fxtech@earthlink.net>
- 15) [127235] Re: Crystal designators
by Steve Smith <sigcom@juno.com>
- 16) [127236] Digital Homebrewing column website now updated
by "George Heron N2APB" <n2apb@erols.com>
- 17) [127237] WTB Good working laptop for PSK31
by "Ronald Davis" <RDavis24@carolina.rr.com>
- 18) [127238] Dead Microwaves
by "John Kirk" <ve6xt@hotmail.com>
- 19) [127239] Re: keys for sale

- by Tom Feeny <tfeeny@comcast.net>
- 20) [127240] Re: Dead Microwaves
by "ZOOM" <kandrparker@sympatico.ca>
- 21) [127241] Enigma Machines (was keys for sale)
by "David J. Porter" <aa3ur@comcast.net>
- 22) [127242] Re: Severe storm - still!
by Bob Nielsen <nielsen@oz.net>
- 23) [127243] Re: Severe storm - still!
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 24) [127244] Re: Severe storm - still!
by "K7FD N7SG" <k7fd@hotmail.com>
- 25) [127245] Re: Holy Grail Rig
by "Gary O. Lyons" <drgary@urx.com>
- 26) [127246] RE: SPRAT CD - CORRECTION
by "Ed Tanton" <n4xy@earthlink.net>
- 27) [127247] Re: Enigma Machines (was keys for sale)
by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
- 28) [127248] RE: Dead Microwaves
by "kd5nwa" <KD5NWA@mbayona.com>
- 29) [127249] FS - key and paddles
by "Michael N4NMR" <bowerm@ix.netcom.com>
- 30) [127250] Re: Severe storm - still!
by "John J. McDonough" <wb8rcr@arrl.net>
- 31) [127251] Unusual Trade Offer?
by Ed Kessler <edkess@pa.net>
- 32) [127252] Re: [fpqrp] Radio Shack ALERT!
by "Brian Murrey" <brian@iquest.net>
- 33) [127253] RE: Radio Conditions
by "Steve Blary" <steve@eclipsecat.com>
- 34) [127254] RE: Radio Conditions
by "Lee, Jimmy" <Jimmy.Lee@bartow.k12.ga.us>
- 35) [127255] Re: Radio Conditions
by W2AGN <w2agn@w2agn.net>
- 36) [127256] Re: [fpqrp] Radio Shack ALERT!
by W2AGN <w2agn@w2agn.net>
- 37) [127257] RE: Radio Conditions
by "Steve Blary" <steve@eclipsecat.com>
- 38) [127258] Re: Severe storm - still!
by "E. Roswell" <eroswell@monmouth.com>
- 39) [127259] FS: Superantenna's MP-1 with tripod base
by "David E. Shelton" <n4in@iolky.com>
- 40) [127260] Re: Severe storm - still! (Paul is The Man)
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 41) [127261] Rad Shack Playback
by <jfox6@houston.rr.com>
- 42) [127262] HB/OT: Transistor Characteristics
by "Brad Hernlem" <alihernlem@hotmail.com>
- 43) [127263] Re: Rad Shack IC Request.

by <jfox6@houston.rr.com>
44) [127264] Northern Radio Company N555 Antenna Coupler
by Steve <n4ey@arrl.net>
45) [127265] Re: Severe storm - still!
by Bruce Rattray <rattray@gpfn.sk.ca>
46) [127266] Re: Holy Grail Rig
by Steven Weber <kd1jv@moose.ncia.net>
47) [127267] RE: Northern Radio Company N555 Antenna Coupler
by Conrad Weiss <radman@best.com>
48) [127268] Re: Holy Grail Rig
by David Hinerman <WD8CIV@worldnet.att.net>
49) [127269] RE: Radio Conditions
by "Karl F. Larsen" <k5di@zianet.com>
50) [127270] Looking for Lectrokit Spider
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
51) [127271] Re: [QRP Solar Power] Mass Production of Solar Cells begins in June
by Jeff <fantbb@yahoo.com>
52) [127272] Fs Keyers
by Cwdx@webtv.net (Cw Opr)
53) [127273] FW: WWV-Message
by "Ed Tanton" <n4xy@earthlink.net>
54) [127274] Fs cw filter
by Cwdx@webtv.net (Cw Opr)
55) [127275] Re: HB/OT: Transistor Characteristics
by "DTX" <dtx@wood.tzo.com>
56) [127276] Sale or Trade for Ham Radio Gear
by "KD3PC" <kd3pc@mindspring.com>
57) [127277] SIGHTLESS Hams or Visually Impaired with Computers
by George Gingell <k3tks@u1.abs.net>
58) [127278] FT817s, Grails & the commodity market...
by Conrad Weiss <radman@best.com>
59) [127279] Re: FT817s, Grails & the commodity market...
by "Mike Yetsko" <myetsko@insydesw.com>
60) [127280] Re: FT817s, Grails & the commodity market...
by Ed Lawson <k1vp@grizzly.com>
61) [127281] Yaesu FT 708 manual?
by euramcom pages <mel@euramcom.freemove.co.uk>
62) [127282] Re: Crystal designators
by "Mike Branca" <w3irz@att.net>
63) [127283] Happy Dance!!!
by Wayne Scace <WM-Scace@wiu.edu>
64) [127284] bug wanted
by David Hinerman <WD8CIV@worldnet.att.net>
65) [127285] Re: bug wanted
by "Michael Melland" <w9wis@charter.net>
66) [127286] Key/Keyer Question
by Mercxx@aol.com
67) [127287] NOSXX Operating from Colorado Trail

by Gary Slagel <gdslagel@yahoo.com>
68) [127288] electronic keyer
by "johngabbard" <johngabbard@usintouch.com>
69) [127289] MP-1, FT-817 and accessories SOLD
by "David E. Shelton" <n4in@iolky.com>
70) [127290] VN10K's needed
by "Brian Murrey" <brian@iquest.net>

Date: Thu, 23 May 2002 17:14:28 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Howard W7ILW <howardw7ilw@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127221] Re: Radio Conditions
Message-ID: <Pine.LNX.4.44.0205231712280.3556-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Howard, thanks for the Northern California DX Club web page. I have been trying ncdxc.com and ... and no hits...hi Your a good guy to pass it along. I will try to not loose it again!

On Thu, 23 May 2002, Howard W7ILW wrote:

>
> <http://www.ncdxf.org/beacon/beaconSchedule.htm>
>
> > It's fun to see what's REALLY closed down when we hear about poor
> > radio conditions. I checked and we are having a CME event and the K is 7
> > which is bad.
> >
> > So with my FT-817 and the ft817Commander software I went to my
> > Favorites and then opened a folder DX Beacons I made and listened to the
> > beacons on 10 meters. There are 13 beacons around the world. I heard a LU
> > station in Argentina and a ZS in South Africa and several others with the
> > beam pointed East.
> >
> > I KNOW now with certainty that if a station in South Africa or
> > Europe or South America comes on running 100 milli-watts I will hear them!
> > This is because all the beacons are made from a Kenwood TS-50 which is
> > modified to have 3 power levels of 100 watts, 10 watts and 100 milliwatts.
> > Each beacon ends a transmission with a carrier at the powers.
> >
> > --
> > Yours Truly,
> >

> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > <http://www.zianet.com/k5di/>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 23 May 2002 19:24:19 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "Pigs" <fpqrp-1@mpna.com>
Subject: [127222] Radio Shack ALERT!
Message-ID: <MMEDLKDLONJOAIGICDJAAEIBCMAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok folks with the bad bands and one heck of a closeout at RS, I have a challenge for you all.

RS is closing out their Voice Record/Playback IC (P/N 276-1325). This is the one that sold for about \$18, now on clearance for \$4.97!!!

It operates on 5 volts, has 20 second capacity, and can store more than one message, perfect for a voice keyer for the K2 or any rig. The IC requires very little additional components and is in a 28 pin DIP package.

I bought 2 for myself and have 4 more coming, I can get my hands on about 35 more IF anyone in BFE can not get to RS. Let me know and please make sure you REALLY want one before I buy them.

Now the challenge, design a voice keyer using this IC and I'll spotlight you in the Bacon Bits, and you'll gain all kinds of praise from your fellow Hams!!!

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

Date: Thu, 23 May 2002 17:25:36 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rod N0RC <rod@n0rc.com>
Cc: k5di@zianet.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127223] Re: Radio Conditions
Message-ID: <Pine.LNX.4.44.0205231716540.3867-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,Rod your tone and the fact you addressed me directly makes me think you don't have enough to do.

I do make errors and admit that with no prompting. You are the man in white who is saving the poor new guy on the list.

We all need to be careful not to believe all we read or see. It helps to be careful. I know a lot of people put up web sites and make errors. It's easy to do.

It would be a lot better if you point out that the beacons produce 4 power levels and where you got this information.

I did thank Howard for his correct web address which I lost. I do not thank you for this message.

On Thu, 23 May 2002, Rod NORC wrote:

```
>
> ----- Original Message -----
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Thursday, May 23, 2002 3:40 PM
> Subject: Radio Conditions
>
>
> >
> > It's fun to see what's REALLY closed down when we hear about poor
> > radio conditions. I checked and we are having a CME event and the
> K is 7
>
> ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
>
>
> Not quite we are in the midst of a Geomagnetic Storm, the CME
> happened days ago. It is important to describe these things
> accurately for the benefit of new people, so that they learn things
```

> correctly
>
> ...
>
> > This is because all the beacons are made from a Kenwood TS-50
> which is
> > modified to have 3 power levels of 100 watts, 10 watts and 100
> milliwatts.
>
> From: <http://www.ncdxf.org/beacon/beaconSchedule.htm>
> "The beacons transmit every three minutes, day and night. This table
> gives the minute and second of the start of the first transmission
> within the hour for each beacon on each frequency. A transmission
> consists of the callsign of the beacon sent at 22 words per minute
> followed by four one-second dashes. The callsign and the first dash
> are sent at 100 watts. The remaining dashes are sent at 10 watts, 1
> watt and 0.1 watts."
>
> i.e. four not 3 power levels.
>
> 73, Rod N0RC Defender of correctness
>
>
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
 <http://www.zianet.com/k5di/>

Date: Thu, 23 May 2002 16:58:15 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <n4xy@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127224] Re: SPRAT CD - CORRECTION
Message-ID: <006401c202b5\$b5ef7320\$de5fa13f@johns1t>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Yes it is... I prefer 27R0 but whatever. The standards-especially used

> in Europe call for a 2 digit number, followed by the multiplier, and a
> 3rd number-if there is one. Thus, a 27.5 ohm resistor would have been:
> 27R5. a 275K resistor would be 27K5 etc.

Close, but no cigar! A 275K resistor would be.... 275K.
One marked 27K5 would be 27,500 ohms. The multiplier
letter takes the place of the decimal point.

But you knew that. ;-)

73,

John, K6QQ

Date: Thu, 23 May 2002 18:21:24 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Cc: qrp-canada@neale.gpfn.sk.ca, inforhc@ip.etcscu
Subject: [127225] Severe storm - still!
Message-ID: <Pine.SOL.3.91.1020523172846.29007A-100000@paso>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

A severe geomagnetic storm remains ongoing at 2400UTC, although it is
expected to start diminishing this evening. It has caused near blackout
conditions globally on the HF bands. Today's estimated A-index is at
least 50, with the K-indices since the onset being K=5,7,7 and 5.

Yesterday morning (wednesday), there was a long duration flare event from
an active region nearly at the sun's center. It produced two M-class and
a C-class flare, about 2-3 hours apart. When a solar flare occurs, several
things happen. First is the "speed of light" radiation that leaves the
sun and hits the earth for about the duration of the flare event ...
which in this case was several hours. This tends to ionize the E and F
layers. This is actually good, in that it enhances the reflectivity to
radio waves for good skip propagation and low losses ... especially
important to QRP operators. So for a good hint, get on the higher
frequencies shortly after a flare event to take advantage of several hours
of some "hot" conditions on 10-15M, and sometimes 6M.

But that bad thing about this ionizing radiation from a flare is if the
radiation is strong enough, it will penetrate through the E and F layers
and ionize the D-layer as well. This is NOT good! The D-layer is the

"absorption layer" in that the more it is ionized from sunlight, the more attenuation it offers to HF signals. So if the ionizing radiation from a flare were to highly ionize the D-layer, it would highly attenuate HF signals for very poor conditions (near blackout conditions) or even to a full blackout situation. Fortunately, this usually only lasts for a short time (hours or less).

Another thing that happens with a large flare, is to understand it is a huge explosion on the sun's surface, and as with any explosion, it produces a large shock wave. The shockwave from a flare carries millions of tons of solar mass and tosses it out into space. This is called a Coronal Mass Ejection or CME. A CME is simply this shockwave of matter being flung out into space. If the trajectory is right, then the shockwave will hit the earth. Only about 20-30% of the CME's actually hit the earth. For the shockwave to hit the earth, the CME must be originated from NEAR the center of the sun.

Most shockwaves from flares travel towards the earth about 700-1200 km/sec. and thus takes about two days to get here. When the shockwave does arrive, it is a very sudden, huge blast of solar wind smacking up against our magnetic field. This causes our magnetic field to be compressed inward from the enhanced solar wind and starts it to wiggle like Jello. As it wiggles, it generates huge electrical currents that flows along our magnetic field lines. This is the dynamo effect, generating electricity by moving metal through a magnetic field ... or in this case, moving a magnetic field around stationary metal (which would be the earth itself, power lines, phone lines, YOUR ANTENNA, etc.). This electrical current generates gobs of noise. THIS IS THE BUZZING NOISE ON HF MANY OF YOU HAVE REPORTED HEARING. The earth's generator at work as our magnetic field is wiggling.

In today's case, this geomagnetic storm is the result of the 3 large flares that occurred yesterday, all from the same active region on the sun, and producing 3 separate and distinct CME's. You can see these 3 CME's leaving the sun at:

www.spaceweather.com

A small video shows it on the home page, upper right corner. Neat.

So instead of the shockwave from a CME hitting the earth triggering a geomagnetic field, THREE CME's are smacking the earth, one behind the other, to keep our magnetic field wiggling pretty good. Although to be fully accurate, the LASCO satellite detected only two shockwaves this morning, not three, meaning the velocity of the 3rd shockwave was likely less than the current solar wind at the time. The first shockwave arrived about 1000UTC, bumping the solar wind up to about 600 km/sec. Three hours later (1300UTC), the 2nd shockwave arrived, with a sudden increase in the solar wind to 1000 km/sec. 2-3 hours later, the background solar wind was still in the 700-800 km/sec range, likely masking the 3rd CME shockwave.

This is a rare occurrence, and nobody knows quite how to forecast it. Some believe the "3 shots across the bow" will keep the geomagnetic storm going all night. Should this be the case, be on the lookout for AURORA THIS EVENING in the Northern U.S., and perhaps even well into the south. The K=7 suggests a fairly southern aurora ... but of course not down to Florida or Cuba or anything (sorry Arnie!).

Others believe the signs are already here that the storm is subsiding, by the fact the K index has dropped from 7 to 5 over the last 3 hour reporting period. This could mean the storm is winding down and aurora into the middle U.S. would be unlikely.

The effects of a geomagnetic storm worsen the lower in frequency you go, so the upper bands, such as 10M if open, is scarcely effected, but 20M and below is pretty much wiped out. So as the storm subsides, the upper bands will clear up first. It takes VERY LITTLE storming to mess up 40M, for example :- (as most of you have probably noticed.

Anyway, that is a fairly short but hopefully succinct description of a solar storm, and the following geomagnetic storm, and a little of the physics behind it, for those of you new to QRP-L.

For current conditions, see: www.sec.noaa.gov/today.html

The top of the page shows the current x-ray emissions from the sun, which indicate FLARE activity. Right now that part is pretty quiet. Below that is the earth environment, showing proton energy levels and the K-index. The elevated 10Mev Protons right now is giving our friends in Canada even a worse set of conditions that we have here, if you can believe that. And the K-index is shown on the bottom graph, updated every 3 hours. RED bars indicate major storming (K=4) to severe storming (K5) to extreme storming (K=7,8,9).

Geomagnetic storms are not the end of the world. Turn the radio on now and again and check conditions. Either you won't hear anything (severe storming/blackout), or very weak signals (major storming), or weird propagation. The weird propagation means you can sometimes hear very distant DX stations quite loud, while everything else is kinda weak. Hey, grab 'em while you can.

Lastly, HF conditions tend to get very quiet and stable right after a large geomagnetic storm. This is always a good time to get on the air, a day or two after a large storm, to take advantage of very quiet conditions and good DX propagation. This could imply good conditions this weekend for the various contests.

72, Paul NA5N

National Radio Astronomy Observatory
VLA/VLBA Radio Telescopes
Socorro, New Mexico

Date: Thu, 23 May 2002 20:31:58 -0400
From: geoff allsup <gallsup@whoi.edu>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [127226] Re: Severe storm - still!
Message-ID: <3CED89FE.71909979@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Harden wrote:

>
> Gang,
> A severe geomagnetic storm remains ongoing at 2400UTC, although it is

>
> This is a rare occurrence, and nobody knows quite how to forecast it.
> Some believe the "3 shots across the bow" will keep the geomagnetic storm
> going all night. Should this be the case, be on the lookout for AURORA
> THIS EVENING in the Northern U.S., and perhaps even well into the south.
> The K=7 suggests a fairly southern aurora ... but of course not down to
> Florida or Cuba or anything (sorry Arnie!).
>

Unfortunately for all of us, there is a pretty bright moon for at least
the early part of tonight, which makes for poor observing conditions
:-(
- still worth a look, nevertheless....

72,
geoff
--

Geoff Allsup, W10H gallsup@whoi.edu or w10h@arrl.net
Research Engineer Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Thu, 23 May 2002 20:41:33 -0400

From: "Tom" <kf4yyd@adelphia.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [127227] Crystal designators
Message-ID: <012401c202bb\$c1379360\$9865fea9@yourze8cxvr8tt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

 This should be an easy question for someone here to answer. I am currently trying to scrounge up some parts to build a tube 40 meter QRP transmitter. The original design calls for a fundamental frequency FT243 crystal, but since these aren't still produced I was told to go with an HC-6 type.

 Are the HC-6 crystals the kind used on my SW-40+ and my NJQRP Warbler? These are the ones packaged in a small metal can.

Thanks,
de Tom kf4yyd

"Please be patient, calibration homing is slower than normal homing."

Date: Thu, 23 May 2002 20:51:45 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
 FP List <fpqrp-l@mpna.com>
Subject: [127228] Re: Radio Shack ALERT!
Message-ID: <3CED8EA1.F73FA3F@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes! Even a voice keyer in a seperate enclosure would be great.

It could have a mic in, mic out and a way to bypass the voice keyer to keep from having to plug & unplug the mic all the time.

Count me in for building. I'll check out what I can find at the local RS tomorrow.

Paul K4FB

Date: Thu, 23 May 2002 21:10:59 EDT
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [127229] Wanted:Drew Diamond's Vol. II
Message-ID: <36.27eb7f19.2a1eed23@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Guys,

I am looking for a copy of Drew Diamond's second volume of "Projects for the Radio Amateur." I only have a snail mail address, which I suppose I will have to use if nobody has a way to order the book online. I did ask the GQRP guys at Dayton, but they don't have Vol. II. Incidentally, Vol. I was, for me, the grown up version of "Boy Mechanic." (Remember the one filled with all kinds of projects for boys like tethered airplanes?). Drew's book is full of receiver/transmitter/transceiver projects, all designed to be built "paddyboard" (which we call Manhattan style.) I think Drew was one of the early writers to popularize this method of building.

I was looking forward to another year of browsing with the second volume after Dayton, but no luck. A net search did not turn up any addresses. Anyone out there have a net address?

72,

Preston WJ2V

Date: Thu, 23 May 2002 20:14:32 -0500
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [127230] keys for sale
Message-ID: <3.0.2.32.20020523201432.0069f560@facstaff.wisc.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Hi all,

I still have several keys for sale.

1. A tiny Russian metal-enclosed straight key, small and nifty-looking. It is key #920 in Perera's Telegraph Collector's guide Second Edition, he says

it is worth \$75. Unused. Shipped to you in conUS for \$40. I hope all who were at Dayton saw Tom Perera's (W1TP) key display in the fleamarket, also those ENIGMA machines he had on display!!

2. Envirotronic Inc model 501F iambic paddles. Were hand-made by Gene NOLSS of St Paul, Mn back in the mid-90's. Beautiful gray powder-coated base, aluminum and polished brass. Total length 4 3/4 in. Don't think they are made anymore. In great condition. Ruggedly built. Shipped to you in conUS for \$50.

I will take personal checks, or money orders.

72, Paul WA9PWP

Paul Goemans WA9PWP
Stoughton, WI 53589
all email checked by NAV2002

Date: Thu, 23 May 2002 19:22:08 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [127231] Holy Grail Rig
Message-ID: <B912F1DF.15C6F%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

Here is what I want in an all-in-one "Holy Grail" rig:

The first mixer should have good strong signal handling capabilities, and be followed by a good narrow CW filter. The rest of the receiver should be worthy of the front end.

A good built in keyer like the Super CMOS III or IV. One knob for speed, 4 or 6 buttons for memories. Separate jack for straight key.

A knob for tuning frequency.

A second knob for tuning a second VFO, or provisions for RIT.

A switch to select knob which is receive, which is transmit, when transceive

is used, and interchanging the two.

A button for bandswitching. The rig should have all bands 160 M - 10 M. 40=A0=M

-10 M would be acceptable as a compromise. I don't need (or want) general coverage receive.

A RF/AF gain control. Concentric knobs.

No AGC. Or, a switch for turning off the AGC. Or maybe three positions; slow, fast, off.

A button for automatic antenna tune. The autotuner would have balanced capability in addition to coax, and be in line on receive.

A stack memory. 5 or 10 deep.

Capability for a separate receive antenna should be provided.

Low current drain, say less than 100 mA on receive, 1 A (for 5 watts out) on transmit.

I can live without a built in battery.

A USB computer interface.

This would make a nice CW contest machine.

Just my \$0.02 worth. - Dr. Megacycle KK6MC/5
--=20

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 23 May 2002 19:43:09 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [127232] NCDXF Beacons
Message-ID: <B912F6CD.15C71%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The NCDXF beacons are very useful. In addition to repeating every 3 minutes

24 hours a day, 365 days a year, they also are staggered by band. So when one beacon gets done transmitting on one band, it goes to the next higher band. Thus if you program these in memory, you can switch to the next higher band to see if there is also propagation on that band. A nifty way to get the MUF to a specific location.

The beacons use modest vertical antennas, Cushcraft R-5s, so they are pretty good indications of what typical ham signals sound like. The locations tend to be pretty good, though, the one in New York City is on top of the UN building!

An evening spent listening to these beacons is a good introduction to propagation on the higher bands.

The beacons can be found at 14.100, 18.110, 21.150, 24.930 and 28.200 MHz.

Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 23 May 2002 20:42:51 -0500
From: "Pat J. Whelton" <pwhelton@hal-pc.org>
To: <qrp-l@lehigh.edu>
Subject: [127233] Other Beacon Sources
Message-ID: <00fc01c202c4\$5204ff60\$6cccfea9@halpc.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I notice all the NCDXF/IARU Beacons are set up on 14.100. If your rig is limited to the lower 80 kc of the 20 meter band and can't tune that high are there any other beacons available lower than 14.080? Callsigns? Times? Frequencies?

73's es DX,
Pat - KZ5J
<http://u1.netgate.net/~kirby34/rsg/wheltonp.htm>

Date: Thu, 23 May 2002 18:46:25 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <kf4yyd@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [127234] Re: Crystal designators
Message-ID: <005301c202c4\$d1c8ab70\$bd31bd3f@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Tom,

No, the HC-6 is a bigger package, but not as big as the FT-243. The crystals in most QRP kits are HC-49U's. Also, the HC-6 typically have pins to use a socket with, and the HC-49U's are a leaded part. Hope this helps.

73's Trev KG6CYN

----- Original Message -----

From: "Tom" <kf4yyd@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, May 23, 2002 5:41 PM
Subject: Crystal designators

> Hi,
> This should be an easy question for someone here to answer. I am
> currently trying to scrounge up some parts to build a tube 40 meter QRP
> transmitter. The original design calls for a fundamental frequency FT243
> crystal, but since these aren't still produced I was told to go with an
> HC-6
> type.
> Are the HC-6 crystals the kind used on my SW-40+ and my NJQRP Warbler?
> These are the ones packaged in a small metal can.
>
> Thanks,
> de Tom kf4yyd
>
> "Please be patient, calibration homing is slower than normal homing."
>
>
>

Date: Thu, 23 May 2002 18:52:51 -0700

From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [127235] Re: Crystal designators
Message-ID: <20020523.185252.3780.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom,

The HC-6 size crystals are -not- like the ones in your Warbler, etc. They are a metal can, about the same size as an FT-243, just a bit shorter and thinner with the same pin spacing as the FT-243 but the pin diameter is the same as a 7 or 9 pin miniature tube pin. They are much more robust than the typical HC-49 size crystal but still not as rugged as the relatively extinct FT-243s.

You can use the small HC-49 size crystals like the \$3.00 NorCal jobs but you either need to build a solid state oscillator that won't kill 'em or add another stage to your rig (if it's a single stage job) like a 6AU6 oscillator that won't draw too much crystal current. Wayne, NB6M design a great VX0/keying circuit for driving tube rigs. See:
<http://www.fix.net/~jparker/norcal/nb6m/nb6mvxo.htm>

Good luck and let us know how you're doing.

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

On Thu, 23 May 2002 20:41:33 -0400 "Tom" <kf4yyd@adelphia.net> writes:

> Are the HC-6 crystals the kind used on my SW-40+ and my NJQRP
> Warbler?
> These are the ones packaged in a small metal can.

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 23 May 2002 22:00:01 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: ". Eastern PA QRP Club" <EPA-QRP@yahoogroups.com>,

"NoVAQRP" <NoVaQRP@topica.com>, "NJQRP" <njqrp@njqrp.org>,
Subject: [127236] Digital Homebrewing column website now updated
Message-ID: <000501c202c6\$bcdfa9f0\$cbca9cce@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The log jam has been cleared and the companion website for my Digital QRP Homebrewing column in QQ magazine is now updated for all three issues of the column in print. Visitors now have access to all the material described and pictured in the printed QRP Quarterly magazines for Fall 2001, Winter 2002 and Spring 2002 ... plus enhanced color photos, schematics, source code and additional material that we couldn't fit into QQ.

The website is at <http://www.njqrp.org/digitalhomebrewing>

We will be making rapid project advances, design improvements and kit offers going forward. This online presence of my column will evolve to be much more than the original column presented in QQ. If you're interested in receiving an email notifying you of the periodic updates, please send a note to me and we'll make sure you're kept up to date.

Hope you all enjoy this project and the column in QRP Quarterly ... it's fun stuff!

73, George N2APB
n2apb@amsat.org

PS: Thanks for everyone's patience on my getting the material posted from issues 2 & 3. There are only so many hours in a day ... ;-)

Date: Thu, 23 May 2002 22:12:11 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [127237] WTB Good working laptop for PSK31
Message-ID: <00ca01c202c8\$6a789f80\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

I need a good working laptop for PSK31, would like to have one that runs off 12 volts, or that has working batteries. Prefer one with a cd and a floppy drive. I have several QRP rigs for trade or will buy straight out. Please email direct if you have one for sale.

Thanks
Ronnie
KE4VPN

Date: Fri, 24 May 2002 02:44:35 +0000
From: "John Kirk" <ve6xt@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [127238] Dead Microwaves
Message-ID: <F293rpIDV487jPhUpM500008f89@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Save that transformer, too! It makes an excellent core for a 13.8 VDC, 25 amp or so homebrew supply. Kind of a pain to get the old secondary off, as the laminations are welded, but well worth the effort.
Just remember, secondary = small wire. Don't rip the big stuff off, as that is your primary, and can be used as is.
I wrote a piece for the VK ham mag "Amateur Radio" that goes into more detail if anyone is interested.
72
John VK2PV

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Thu, 23 May 2002 22:45:28 -0400
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@Lehigh.EDU>
Subject: [127239] Re: keys for sale
Message-ID: <003a01c202cd\$135cdf40\$3a5c2044@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I hope all who were at Dayton saw <snip>
> those ENIGMA machines he had on display!!

I sure am sorry I missed that.
Is there a website with them on display?
Tom

Date: Thu, 23 May 2002 22:48:29 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <ve6xt@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127240] Re: Dead Microwaves
Message-ID: <008801c202cd\$7c8000b0\$c791fea9@valveman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

How about the recent QST article for making a 20A 13.8V power supply from an old computer power supply. We all must have a few of these lying around. Even the 200W power supplies will get you well over 10A @ 13.8v.

Cheers,
Robert
VE3RPF

----- Original Message -----
From: "John Kirk" <ve6xt@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 23, 2002 10:44 PM
Subject: Dead Microwaves

> Save that transformer, too! It makes an excellent core for a 13.8 VDC, 25
> amp or so homebrew supply. Kind of a pain to get the old secondary off, as
> the laminations are welded, but well worth the effort.
> Just remember, secondary = small wire. Don't rip the big stuff off, as
> that
> is your primary, and can be used as is.
> I wrote a piece for the VK ham mag "Amateur Radio" that goes into more
> detail if anyone is interested.
> 72
> John VK2PV
>
> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>
>

Date: Thu, 23 May 2002 22:55:48 -0400
From: "David J. Porter" <aa3ur@comcast.net>
To: tfeeny@comcast.net,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127241] Enigma Machines (was keys for sale)
Message-ID: <LMBBLNBEMDEIDFMJMAOE0EFACKAA.aa3ur@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Try this one for your own virtual version of the Enigma. It is really pretty good.

<http://mad.home.cern.ch/frode/crypto/simula/enigma/>

Also

<http://www.nsa.gov/museum/tour.html>

This has really nice pictures.

Dave AA3UR

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Tom Feeny
Sent: Thursday, May 23, 2002 10:45 PM
To: Low Power Amateur Radio Discussion
Subject: Re: keys for sale

> I hope all who were at Dayton saw <snip>
> those ENIGMA machines he had on display!!

I sure am sorry I missed that.
Is there a website with them on display?
Tom

Date: Thu, 23 May 2002 20:35:44 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [127242] Re: Severe storm - still!
Message-ID: <20020524033544.GC2794@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, May 23, 2002 at 08:31:58PM -0400, geoff allsup wrote:

> Paul Harden wrote:
> >
> > Gang,
> > A severe geomagnetic storm remains ongoing at 2400UTC, although it is
>
> >
> > This is a rare occurrence, and nobody knows quite how to forecast it.
> > Some believe the "3 shots across the bow" will keep the geomagnetic storm
> > going all night. Should this be the case, be on the lookout for AURORA
> > THIS EVENING in the Northern U.S., and perhaps even well into the south.
> > The K=7 suggests a fairly southern aurora ... but of course not down to
> > Florida or Cuba or anything (sorry Arnie!).
> >
>
> Unfortunately for all of us, there is a pretty bright moon for at least
> the early part of tonight, which makes for poor observing conditions
> :-(
> - still worth a look, nevertheless....

At least the sky is mostly clear here right now. It has been cloudy during all the recent aurora activity. I'll be looking.

72/73, Bob

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Thu, 23 May 2002 23:11:24 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127243] Re: Severe storm - still!
Message-ID: <000e01c202d9\$12689dc0\$7f36a6d8@texas.net>

Thanks Paul for the information.

At least 20m is in very good shape. In the last hour (0240-0340 UTC) I've worked RV6YZ in Russia, N6XI/6Y5 in Jamaica, and had a nice, long, solid

ragchew with WS3K/QRP (1 watt) in PA. I was QRP with my 3 foot diameter magnetic loop antenna 6 inches off the ground floor right behind me in my shack. I'm presently working on my outside antenna and hooked up my ol' loop mainly to receive on. The small loops never cease to amaze me.

I guess my point is that "one just can't tell exactly what's gonna happen ;-) I would of gladly traded good propagation for some more southern lights like we had last November.

Steve - AA5TB

aa5tb@arrl.net
Fort Worth, TX - Grid EM12hu
<http://www.qsl.net/aa5tb/>
<http://aa5tb.home.texas.net/> (faster)

Date: Thu, 23 May 2002 21:32:47 -0700
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [127244] Re: Severe storm - still!
Message-ID: <F233p9PH3CrEa4kPWf400004705@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Yep whenever I see these expert prop reports I think 'self-fulfilling prophecy' here we come...

...nice to know someone actually tested the waters and lo and behold, there's still some life left on the bands!

73 John K7FD

>From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
>
> The small loops never cease to amaze me.
>
>I guess my point is that "one just can't tell exactly what's gonna happen
>;-) I would of gladly traded good propagation for some more southern
>lights
>like we had last November.
>
>Steve - AA5TB

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<http://www.hotmail.com>

Date: Thu, 23 May 2002 22:32:52 -0700
From: "Gary O. Lyons" <digary@urx.com>
To: <qrp-1@Lehigh.EDU>
Subject: [127245] Re: Holy Grail Rig
Message-ID: <000301c202e4\$7406d8c0\$8dd56bce@GLyons>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well thought out list Sir James. The only thing I would add to my Holy Grail Rig would be to tie that second VFO knob to a sub-receiver of the same design as the main.

I really like being able to monitor my transmit frequency and listen to the split frequency at the same time.

Maybe some day!

Gary/NQ7T

Date: Fri, 24 May 2002 01:57:20 -0400
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'John Moriarity'" <k6qq@hdo.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [127246] RE: SPRAT CD - CORRECTION
Message-ID: <001101c202e7\$de609e10\$6401a8c0@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Oops... I left out the decimal in the "275K"... meant to say 27.5K.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Fri, 24 May 2002 09:39:17 +0100
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [127247] Re: Enigma Machines (was keys for sale)
Message-ID: <00fd01c202fe\$dfef6f880\$fd4286d9@celeron>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You may also like to visit the Station "X" website....

<http://www.bletchleypark.org.uk/>

72/3
Tony - G4WIF

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Tom
> Feeny

>
> > I hope all who were at Dayton saw <snip>
> > those ENIGMA machines he had on display!!
>
> I sure am sorry I missed that.
> Is there a website with them on display?
> Tom

Date: Fri, 24 May 2002 05:43:24 -0500
From: "kd5nwa" <KD5NWA@mbayona.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [127248] RE: Dead Microwaves
Message-ID: <000101c2030f\$d547f210\$373d010a@a000>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Another item persons often overlooked is a dead UPS, the transformer in it is great for making a heavy duty power supply for a transceiver, or a real heavy battery charger (with proper electronics) I have picked up several at work (450 VA) and the transformer puts out 30 amps at about 14 Volts AC

Cecil
KD5NWA

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of John Kirk
Sent: Thursday, May 23, 2002 9:45 PM
To: Low Power Amateur Radio Discussion
Subject: Dead Microwaves

Save that transformer, too! It makes an excellent core for a 13.8 VDC, 25 amp or so homebrew supply. Kind of a pain to get the old secondary off, as the laminations are welded, but well worth the effort.
Just remember, secondary = small wire. Don't rip the big stuff off, as that is your primary, and can be used as is.
I wrote a piece for the VK ham mag "Amateur Radio" that goes into more detail if anyone is interested.
72
John VK2PV

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 24 May 2002 07:04:37 -0400

From: "Michael N4NMR" <bowerm@ix.netcom.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [127249] FS - key and paddles
Message-ID: <NGBBJFCEKMGLKMFOFBLAAEMJCJAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have for sale the following key and paddles. These are items that I don't need anymore and want to pass them on to where they will be used.

I have:

1) Whiterook MK-22 original "red" key.

Normal price is \$13.50 + \$2.95 shipping. I'm asking \$12 including shipping CONUS.

2) Whiterook MK-33 "red" single lever mini-paddle.

Normal price is \$18.50 + \$2.95 shipping. I'm asking \$16 including shipping CONUS.

3) Whiterook MK-44 "red" iambic mini-paddle.

Normal price is \$18.50 + \$2.95 shipping. I'm asking \$16 including shipping CONUS.

All of these have low mileage. Mostly driven on Sunday, some other evenings. They are like new.

For pictures, check out:

<http://electronicsusa.com/mk.html>

Easiest method of payment is PayPal at bowerm@ix.netcom.com. With PayPal, I'll ship immediately.

Or send a check to:

Michael Bower N4NMR
43304 Wayside Circle
Ashburn, VA 20147-4621

(If you are going to send a check, send me an e-mail as well so I will hold them for you.)

If you have questions, feel free to drop me an e-mail

Michael Bower N4NMR

Date: Fri, 24 May 2002 07:28:58 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <k7fd@hotmail.com>
Subject: [127250] Re: Severe storm - still!
Message-ID: <002a01c20316\$33971b60\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Well, don't forget, Steve is in 5-land, hardly the northern tier of states.

I listened around on 20 a bit and signals were weak, but there were a few there. I had a net later on 80 and it was horrid, although not as bad as I've seen it.

Plenty of absorption even as late as 2200 local, and lots of noise. Still, I was able to check in which once in a while I've been unable to do as we head towards summer.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "K7FD N7SG" <k7fd@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, May 24, 2002 12:32 AM
Subject: Re: Severe storm - still!

> Yep whenever I see these expert prop reports I think 'self-fulfilling
> prophecy' here we come...
>
> ...nice to know someone actually tested the waters and lo and behold,

> there's still some life left on the bands!
>
> 73 John K7FD
>
>
> >From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
> >
> The small loops never cease to amaze me.
> >
> >I guess my point is that "one just can't tell exactly what's gonna happen
> >;-) I would of gladly traded good propagation for some more southern
> >lights
> >like we had last November.
> >
> >Steve - AA5TB
>
>
>

> Join the world s largest e-mail service with MSN Hotmail.
> <http://www.hotmail.com>
>

Date: Fri, 24 May 2002 07:54:54 -0400
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127251] Unusual Trade Offer?
Message-ID: <5.0.2.1.0.20020524074237.009e9c60@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good morning,

I have some photography equipment that I used to dabble in astrophotography. I don't use the equipment anymore and am wondering if anyone would be interested in a trade for QRP gear.

Just testing the waters. Let me know if your interested. The more stuff I move from my hoard, the happier the XYL gets. Hi.

Two Nikon Camera Bodies: Nikkormat (FT Series), and Nikon (FE series). The FT is in excellent condition and the FE is in very good condition. The only flaw I know of is that the FE occasionally skips a film advance (I simply put the lens cap on and release the shutter and then it works properly again.) These cameras have through-the-lens-metering. Otherwise they are completely manual -- just

what I needed for astrophotography.

Lenses:

Tokina 28mm - 70mm Zoom lens with macro feature (f2.8)

Tokina 28mm lens (f2.8)

Sears 60mm - 300mm Zoom lens with macro feature (f4)

Two "Standard" Nikkor 50mm lenses (f1.8 and f2)

Flash

Albinar 100MDT-Twin, twin adjustable flash.

I'd be willing to trade this stuff for some nice QRP gear. Let me know if your interested. I'd also accept a reasonable cash offer.

73,

Ed AA3sJ

Date: Fri, 24 May 2002 05:04:31 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "N8IE" <n8ie@woh.rr.com>, "QRP-1" <qrp-1@lehigh.edu>, "Pigs" <fpqrp-1@mpna.com>
Subject: [127252] Re: [fpqrp] Radio Shack ALERT!
Message-ID: <001901c2030a\$66fc9220\$5b492bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

By voice keyer, do you mean one that goes "DAH!" when I press the right paddle and then goes "DIT!" when I press the left paddle?

----- Original Message -----

From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>; "Pigs" <fpqrp-1@mpna.com>
Sent: Thursday, May 23, 2002 6:24 PM
Subject: [fpqrp] Radio Shack ALERT!

> Ok folks with the bad bands and one heck of a closeout at RS, I have
a
> challenge for you all.
>
> RS is closing out their Voice Record/Playback IC (P/N 276-1325).
This is the

> one that sold for about \$18, now on clearance for \$4.97!!!
>
> It operates on 5 volts, has 20 second capacity, and can store more
than one
> message, perfect for a voice keyer for the K2 or any rig. The IC
requires
> very little additional components and is in a 28 pin DIP package.
>
> I bought 2 for myself and have 4 more coming, I can get my hands on
about 35
> more IF anyone in BFE can not get to RS. Let me know and please make
sure
> you REALLY want one before I buy them.
>
> Now the challenge, design a voice keyer using this IC and I'll
spotlight you
> in the Bacon Bits, and you'll gain all kinds of praise from your
fellow
> Hams!!!
>
> 72, oo
> Dan, N8IE
> FPqrp #-6, QRP-1 #1404, FISTS #4985
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
fpqrp-1 -
>
>

Date: Fri, 24 May 2002 07:59:55 -0400
From: "Steve Blary" <steve@eclipsecat.com>
To: <rod@n0rc.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127253] RE: Radio Conditions
Message-ID: <PPEIIGOHKOAKJAPHAODHKEAKDHAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<liberal snipping>

> -----Original Message-----

> Not quite we are in the midst of a Geomagnetic Storm, the CME

> happened days ago. It is important to describe these things
> accurately for the benefit of new people, so that they learn things
> correctly
<more snipping>
> 73, Defender of correctness

Defender of correctness or just an ax to grind with Karl?

The storm is an effect caused by the mass that was ejected by the CME. The
ejection of new mass may be complete but is the EVENT itself complete?

Is a gun shooting over once the powder has been fired? Or when the bullet
strikes the target?

you say tomato, I say give Karl a break!!

73's
Steve Blary, N1xc

Date: Fri, 24 May 2002 08:16:17 -0400
From: "Lee, Jimmy" <Jimmy.Lee@bartow.k12.ga.us>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127254] RE: Radio Conditions
Message-ID: <4B0AF71313064D4FA2B931AB5DEA3ADDD34022@coexch2.bartow.k12.ga.us>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Karl,
Where can I find a list of these beacons? Seems like a great way to
check the bands.
Jim, AE4DT

-----Original Message-----
From: Karl F. Larsen [mailto:k5di@zianet.com]
Sent: Thursday, May 23, 2002 2:40 PM
To: Low Power Amateur Radio Discussion
Subject: Radio Conditions

It's fun to see what's REALLY closed down when we hear about
poor=20
radio conditions. I checked and we are having a CME event and the K is 7
which is bad.=20

So with my FT-817 and the ft817Commander software I went to my=20
Favorites and then opened a folder DX Beacons I made and listened to the
beacons on 10 meters. There are 13 beacons around the world. I heard a
LU=20
station in Argentina and a ZS in South Africa and several others with
the=20
beam pointed East.=20

I KNOW now with certainty that if a station in South Africa or=20
Europe or South America comes on running 100 milli-watts I will hear
them!=20
This is because all the beacons are made from a Kenwood TS-50 which is=20
modified to have 3 power levels of 100 watts, 10 watts and 100
milliwatts.=20
Each beacon ends a transmission with a carrier at the powers.=20

--=20
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Fri, 24 May 2002 08:19:52 -0400
From: W2AGN <w2agn@w2agn.net>
To: Steve Blary <steve@eclipsecat.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127255] Re: Radio Conditions
Message-ID: <02052408195213.03756@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Friday 24 May 2002 07:59, Steve Blary wrote:

>

> you say tomato, I say give Karl a break!!
>
> 73's
> Steve Blary, N1xc

--
Well said Steve. Let's not worry about accuracy, let's worry most about
picking on Karl...Gee, sounds just like Public Schools these days.....

John L Sielke W2AGN
w2agn@w2agn.net
<http://www.w2agn.net>

Date: Fri, 24 May 2002 08:21:32 -0400
From: W2AGN <w2agn@w2agn.net>
To: Brian Murrey <brian@iquest.net>,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127256] Re: [fpqrp] Radio Shack ALERT!
Message-ID: <02052408213214.03756@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Friday 24 May 2002 06:04, Brian Murrey wrote:
> By voice keyer, do you mean one that goes "DAH!" when I press the
> right paddle and then goes "DIT!" when I press the left paddle?

--
Nope. That's one where you say "10-4 good buddy, the personal here is Brian."
and the recorder says it over and over and over....

John L Sielke W2AGN
w2agn@w2agn.net
<http://www.w2agn.net>

Date: Fri, 24 May 2002 08:33:42 -0400
From: "Steve Blary" <steve@eclipsecat.com>
To: "W2AGN" <w2agn@w2agn.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [127257] RE: Radio Conditions
Message-ID: <PPEIIGOHKOAKJAPHAODHAEAMDHAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From Paul Harden's Thursday evening post:
"Another thing that happens with a large flare, is to understand it is a huge explosion on the sun's surface, and as with any explosion, it produces a large shock wave. The shockwave from a flare carries millions of tons of solar mass and tosses it out into space. This is called a Coronal Mass Ejection or CME. A CME is simply this shockwave of matter being flung out into space. If the trajectory is right, then the shockwave will hit the earth. Only about 20-30% of the CME's actually hit the earth."

If truly concerned about accuracy then scold Paul as well. I still think it's ax grinding ...

73's
Steve Blary, N1XC

> --
> Well said Steve. Let's not worry about accuracy, let's worry most about
> picking on Karl...Gee, sounds just like Public Schools these days.....
>
> -----
> John L Sielke W2AGN
> w2agn@w2agn.net
> http://www.w2agn.net
>
>

Date: Fri, 24 May 2002 09:10:47 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [127258] Re: Severe storm - still!
Message-ID: <3CEE3BD7.11F7AC11@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Keep 'em coming Paul! I hope many appreciate as I do the insight Paul dishes up here. If you are not "into" it all the time, you can look at the propagation sites, but without the interpretation it is just a bunch of

parameters. I find Paul's treatises very illuminating.
vy 73, Ed, K2MGM.

Date: Fri, 24 May 2002 09:32:24 -0400
From: "David E. Shelton" <n4in@iolky.com>
To: <qrp-1@lehigh.edu>, <FT817@yahooogroups.com>
Subject: [127259] FS: Superantenna's MP-1 with tripod base
Message-ID: <OPEGILHPFKLEHELAEGJGGEENCHAA.n4in@iolky.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FS: MP-1 with tripod base, new in box. I have all instructions and original
box, everything as if buying new.
Price \$140 OBO shipped.
73,
David, N4IN

Date: Fri, 24 May 2002 08:45:16 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127260] Re: Severe storm - still! (Paul is The Man)
Message-ID: <002b01c20329\$3d54b820\$9e36a6d8@texas.net>

Please don't get me wrong. I wasn't criticizing Paul's report as I know
that
he really knows what he is talking about and is an expert on the subject and
I always enjoy reading his post. Paul himself said "Turn the radio on now
and again and check conditions. Either you won't hear anything (severe
storming/blackout), or very weak signals (major storming), or weird
propagation. The weird propagation means you can sometimes hear very
distant DX stations quite loud, while everything else is kinda weak. Hey,
grab 'em while you can." I guess that I just confirmed that.

All things considered that went on throughout the day I really expected the
bands to be bad too. I was just implying that if you were wanting to get on
the air, go ahead and give it a try. You never know what exotic paths may
exists. If nothing else it is interesting to listen to "underwater effects"
that geomagnetic storms impart on many signals, the little "squiglies" that
drift through the upper bands during disturbed conditions, and the possible

auroral scatter on 10m through 2m.

Steve - AA5TB

aa5tb@arrl.net
Fort Worth, TX - Grid EM12hu
<http://www.qsl.net/aa5tb/>
<http://aa5tb.home.texas.net/> (faster)

Date: Fri, 24 May 2002 09:07:01 -0500
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [127261] Rad Shack Playback
Message-ID: <004401c2032c\$466eb520\$0924ae18@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals,

I have need for one of the Radio Shack voice/playback IC P/N 276-1325.
I am building a 50mhz beacon, and this would be ideal. The main problem is,
that the Rad Shack stores in this area don't have any. This seems to be a
ubiquitous problem... unexplainable!!

If anyone can purchase one of these for me at or about the sale price, I
would be appreciative.

Foxy
jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Fri, 24 May 2002 14:07:52 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [127262] HB/OT: Transistor Characteristics
Message-ID: <F260SeXnbnCndg5oQJg000096fd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I recently needed, in a pinch, a PNP transistor suitable to work in a circuit with rails 50 volts apart. That is higher than the specs of most of the run of the mill transistors that I have on hand (e.g. 2N3906, 2N4403). Then I got to looking at some pulls that I have from a Tektronix board. The part number is 151-0220 which I think crosses to 2N3906. To check the VCE0 I used my bank of lead acid batteries (my B+ supply to the regenerative receiver) and a 33K limiting resistor and had at the stack, looking for the breakdown potential on each transistor. Most were in the 40-50 volt range, several were 50-60 volts and one held off 62.5 V before it succumbed to the "force" (electromotive, that it).

Is it common that transistors exhibit such a spread in VCE0 characteristics? Is there any reason not to trust that high outlier in a 50 volt circuit?

Brad

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Fri, 24 May 2002 09:15:24 -0500
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [127263] Re: Rad Shack IC Request.
Message-ID: <005401c2032d\$728314c0\$0924ae18@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have found a source for one of these chips in the near local area. Please ignore my former request. I appreciate it anyway.

Regards,

Foxy
jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Fri, 24 May 2002 10:31:49 -0400
From: Steve <n4ey@arrl.net>
To: CW List <cw@qth.com>, QRP List <qrp-1@Lehigh.EDU>,

TenTec List <tentec@contesting.com>
Subject: [127264] Northern Radio Company N555 Antenna Coupler
Message-ID: <3CEE4ED5.996DFCF4@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need to find documentation, schematic, etc on this unit.
Can anyone help?

Thanks

Steve, N4EY

Date: Fri, 24 May 2002 08:39:28 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "E. Roswell" <eroswell@monmouth.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127265] Re: Severe storm - still!
Message-ID: <Pine.LNX.4.33.0205240838320.16072-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Paul sends this information to QRP-Canada and it's very much appreciated
by the list members...thank you Paul!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Fri, 24 May 2002, E. Roswell wrote:

> Keep 'em coming Paul! I hope many appreciate as I do the insight Paul dishes
> up here. If you are not "into" it all the time, you can look at the
> propagation sites, but without the interpretation it is just a bunch of
> parameters. I find Paul's treatises very illuminating.
> vy 73, Ed, K2MGM.
>

Date: Fri, 24 May 2002 11:05:24 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [127266] Re: Holy Grail Rig
Message-ID: <3.0.6.32.20020524110524.007a77a0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Here is what I want in an all-in-one "Holy Grail" rig:

The problem is, everyone's idea of an "ideal" rig is different, depending on what it is they what to do with it. The ideal fixed station contest rig is going to be a lot different than the ideal backpacking rig. We are fortunate today to have a wide selection of rigs to chose from, probably more than then there ever has been, and while no one rig might be everything we want, chances are there is one that comes close.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 24 May 2002 08:00:11 -0700
From: Conrad Weiss <radman@best.com>
To: "'Steve'" <n4ey@arrl.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [127267] RE: Northern Radio Company N555 Antenna Coupler
Message-ID: <01C202F9.081373C0@209-162-48-58.thegrid.net>

Steve & all,

If you can't find a local (48 states) source - check out URL:
<http://www.ptialaska.net/~jstevens/books.html>

This is "Crusty" Joe Stevens' web page. Crusty runs a small business operation out of Kodiak, Alaska. He rents manuals for ancient or obscure electronics, and he may scan or copy something for you - you'll have to contact him. Info is on his page - he has the doc for your ant coupler.

I've heard that Crusty's a colorful character, tho' I personally haven't done a deal w/ him. He does business w/ the Canadian ops as well...:)!

GL & 73,

Conrad Weiss
NN6CW

From: Steve[SMTP:n4ey@arrl.net]
Sent: Friday, May 24, 2002 7:32 AM
To: Low Power Amateur Radio Discussion
Subject: Northern Radio Company N555 Antenna Coupler

I need to find documentation, schematic, etc on this unit.
Can anyone help?

Thanks

Steve, N4EY

Date: Fri, 24 May 2002 11:30:22 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [127268] Re: Holy Grail Rig
Message-ID: <5.1.0.14.1.20020524112453.00a69630@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:05 AM 5/24/2002 -0400, you wrote:

> >Here is what I want in an all-in-one "Holy Grail" rig:
>

>The problem is, everyone's idea of an "ideal" rig is different, depending
>on what it is they what to do with it. The ideal fixed station contest rig
>is going to be a lot different than the ideal backpacking rig. We are
>fortunate today to have a wide selection of rigs to chose from, probably
>more than then there ever has been, and while no one rig might be
>everything we want, chances are there is one that comes close.

Steve,

In my industry (I make electricity meters) we encounter the same thing.
There's no one "magic meter" that suits everybody. And when our Marketing
department tried to make us design a meter that the user can plug in
anything (or everything) he wants, it failed for 2 reasons:

1) The cost of all the additional connectors, many of which went unused but

that still had to be in the mainframe, made the device too expensive.

2) The connectors that -were- used were points of increased failure rates.
(I came to loathe IC sockets in production gear. Thank God for Flash - I could finally get rid of those EPROMS!)

So enjoy the hunt for the perfect rig, folks - shopping is part of the fun!

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 24 May 2002 09:36:47 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Lee, Jimmy" <Jimmy.Lee@bartow.k12.ga.us>
Cc: k5di@zianet.com,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127269] RE: Radio Conditions
Message-ID: <Pine.LNX.4.44.0205240934310.2550-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Go to this web page and look around:

<http://www.ncdxf.org/beacon/beaconSchedule.htm>

Some of my stuff from memory is wrong. I have a serious memory leak...:-)

On Fri, 24 May 2002, Lee, Jimmy wrote:

> Karl,
> Where can I find a list of these beacons? Seems like a great way to
> check the bands.
> Jim, AE4DT
>
>

> -----Original Message-----

> From: Karl F. Larsen [mailto:k5di@zianet.com]

> Sent: Thursday, May 23, 2002 2:40 PM

> To: Low Power Amateur Radio Discussion

> Subject: Radio Conditions

>

>

>

> It's fun to see what's REALLY closed down when we hear about

> poor

> radio conditions. I checked and we are having a CME event and the K is 7

>

> which is bad.

>

> So with my FT-817 and the ft817Commander software I went to my

> Favorites and then opened a folder DX Beacons I made and listened to the

>

> beacons on 10 meters. There are 13 beacons around the world. I heard a

> LU

> station in Argentina and a ZS in South Africa and several others with

> the

> beam pointed East.

>

> I KNOW now with certainty that if a station in South Africa or

> Europe or South America comes on running 100 milli-watts I will hear

> them!

> This is because all the beacons are made from a Kenwood TS-50 which is

> modified to have 3 power levels of 100 watts, 10 watts and 100

> milliwatts.

> Each beacon ends a transmission with a carrier at the powers.

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Fri, 24 May 2002 10:45:11 -0500

From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [127270] Looking for Lectrokit Spider

Message-ID: <D9781901107D6A4AB59B567ED74090B454DB0E@pandora.fssec.army.mil>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

I am looking for a Lectrokit Spider with documentation. If you have one you'd like to part with please let me know. Working or not working or still in kit form. If you have the documentation for one and wouldn't mind copying it I'll pay for the copies and the postage. I know the rig is not being made now and that there weren't that many sold but I kinda like the little guy. Also looking for any other info on the rig and mods to it.

Steve KC5TTY
Elgin, OK

Date: Fri, 24 May 2002 09:08:15 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-1@lehigh.edu>
Subject: [127271] Re: [QRP Solar Power] Mass Production of Solar Cells begins in June
Message-ID: <20020524160815.98363.qmail@web10006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- baack@pocketmail.com wrote:

>
> Jeff,
> Where are you finding 20 and 30w panels for \$100? The best price I
> have seen for a 20w is over \$200...
> Regardless of the manufacturer.
>
> Care to share that info?

Sure I've looked at Ebay and did searches on various dealers in solar panels on internet. They are out there. I didn't see any for \$100 though as all of them I saw were over \$100. Here are some links for 20 watt plus solar panels;

<http://www.altenergystore.com>
<http://store.yahoo.com/sundancesolar>

Both of these have 20 watt solar panels for less than \$200.

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798, Fanatic A's fan #1

Do You Yahoo!?

LAUNCH - Your Yahoo! Music Experience

<http://launch.yahoo.com>

Date: Fri, 24 May 2002 11:26:51 -0500 (CDT)

From: Cwdx@webtv.net (Cw Opr)

To: qrp-l@lehigh.edu

Subject: [127272] Fs Keyers

Message-ID: <24696-3CEE69CB-1280@storefull-2313.public.lawson.webtv.net>

Content-Disposition: Inline

Content-Type: Text/Plain; Charset=US-ASCII

Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)

For the cw ops out there. Two keyers for sale.

(1) The xt-4 memory keyer . Four memory slots (110 characters each)
.On/off & speed knob.Tune position.Paddle reverse. About the size of a
pack of luckies.

With instruction sheet.

\$40.00 and I pay the shipping usa

(2) An old Track Keyer that has two memory slots.Volume and speed knob.
Output cable to the rig is included.

\$35.00 and I pay the shipping usa

Both keyers work fine.

Us po money order please.

Thanks

K1zw

Date: Fri, 24 May 2002 12:27:48 -0400

From: "Ed Tanton" <n4xy@earthlink.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>

Cc: "'SWL Reflector'" <swl@mailman.qth.net>,
"VLF Reflector" <vlf@mailman.qth.net>

Subject: [127273] FW: WWV-Message
Message-ID: <000d01c2033f\$f2130170\$6401a8c0@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

-----Original Message-----

From: sec@sec.noaa.gov [mailto:sec@sec.noaa.gov]
Sent: Friday, May 24, 2002 11:06 AM
To: www-list-send@dawn.sec.noaa.gov
Subject: WWV-Message

:Product: Geophysical Alert Message www.txt
:Issued: 2002 May 24 1506 UTC
Prepared by the US Dept. of Commerce, NOAA, Space Environment Center #
Geophysical Alert Message

Solar-terrestrial indices for 23 May follow.
Solar flux 180 and mid-latitude A-index 43.
The mid-latitude K-index at 1500 UTC on 24 May was 1 (8 nT).

Space weather for the past 24 hours has been strong. Geomagnetic storms reaching the G3 level occurred. Solar radiation storms reaching the S2 level occurred. Radio blackouts reaching the R1 level occurred.

Space weather for the next 24 hours is expected to be minor. Solar radiation storms reaching the S1 level are expected. Radio blackouts reaching the R1 level are expected.

Date: Fri, 24 May 2002 11:40:24 -0500 (CDT)
From: Cwdx@webtv.net (Cw Opr)
To: qrp-1@lehigh.edu
Subject: [127274] Fs cw filter
Message-ID: <24699-3CEE6CF8-365@storefull-2313.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

The Smart Filter by Modular Systems.
Max Bandwidth ssb - 4000 hz and Cw 1500hz Min band width about 25 hz.
Variable bandwidth. pwr supply included. Instruction book .
This is a very gud outboard audio cw filter, continuously variable from
25 to 4000 hz .
It dosent do much for ssb except narrow the bandwidth which dosent help
always but its great for cw. It has a led passband display which is kind
of neat. It does not have a notch filter.
It went for \$195.00 new . I will take \$55.00 and pay shipping usa.
It works fine.

K1zw

Date: Fri, 24 May 2002 09:48:45 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [127275] Re: HB/OT: Transistor Characteristics
Message-ID: <001301c20342\$deb31b80\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, pretty much so. Typical vs min (or max, depending on which way the
parameter goes) and it is the cause of many one-off builds of a project to
be erratic when put into kits or built by a widely varying population.

If you are sure that 50 volt rail won't ever get any 65 volt spikes. the
62.5 volt part should work fine for you ;-)

Gary WA6DTX

----- Original Message -----

From: "Brad Hernlem" <alihernlem@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, May 24, 2002 7:07 AM

Subject: HB/OT: Transistor Characteristics

> I recently needed, in a pinch, a PNP transistor suitable to work in a
> circuit with rails 50 volts apart. That is higher than the specs of most
of
> the run of the mill transistors that I have on hand (e.g. 2N3906, 2N4403).
> Then I got to looking at some pulls that I have from a Tektronix board.
The
> part number is 151-0220 which I think crosses to 2N3906. To check the VCE0
I
> used my bank of lead acid batteries (my B+ supply to the regenerative
> receiver) and a 33K limiting resistor and had at the stack, looking for
the
> breakdown potential on each transistor. Most were in the 40-50 volt range,
> several were 50-60 volts and one held off 62.5 V before it succumbed to
the
> "force" (electromotive, that it).
>
> Is it common that transistors exhibit such a spread in VCE0
characteristics?
> Is there any reason not to trust that high outlier in a 50 volt circuit?
>
> Brad
>
>
> -----
> Send and receive Hotmail on your mobile device: <http://mobile.msn.com>
>

Date: Fri, 24 May 2002 12:53:25 -0400

From: "KD3PC" <kd3pc@mindspring.com>

To: "QRP-L List" <qrp-l@lehigh.edu>

Cc: <tentec@contesting.com>

Subject: [127276] Sale or Trade for Ham Radio Gear

Message-ID: <001701c20343\$877e78e0\$0101a8c4@6545>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys and Gals,

I have for sale or trade for QRP gear, the following:

New in Box Jornada, handheld PC, all docs and media, opened to make sure it worked, but never used.

SUN Ultra1 Sparc workstation with 8GB hard drive, CD, Solaris 8 media and excellent Sun monitor, keyboard, mouse and some docs.

10/100 PCMCIA card by Linksys with dongle, Model No. PCMPC100. About 6 months old, bought a new laptop with built in and do not need...

Other trades considered - VHF handheld, etc

thanks

dave

Dave Dabay
kd3pc@mindspring.com
2519 Carolina Avenue
Roanoke, Virginia 24014

540-345-5370 Home
540-520-7096 Cellular

Date: Fri, 24 May 2002 13:02:57 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [127277] SIGHTLESS Hams or Visually Impaired with Computers
Message-ID: <20020524125624.C62918-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am working on helping with a Special Project that will be of Special Interest to Sightless Hams.

We need some input from Those who might Benefit as well as those who have expertise in a Computer Program that can Convert ASCII Text to Audio and CW. Actually I can get one off the Shelf that will convert Text to CW.

Most of the better programs will do that now. It would be nice to have one from our community that would do both.

If this project interests you, you may contact me directly.

email or Telephone at (301) 572-6789 (Voice & Fax) Gingell & Company, Ltd.

"May the Force, of QRP be with You."

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Fri, 24 May 2002 10:25:13 -0700
From: Conrad Weiss <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [127278] FT817s, Grails & the commodity market...
Message-ID: <01C2030D.4AE0CD60@209-162-48-58.thegrid.net>

Gangue,

On the subject of "Holy Grail" rigs, I'll attempt a synopsis that covers the salient points raised by the many. I don't have time to answer everyone personally - just my views!

The FT-817, per the historians, was a product targeted at a "niche" audience - a smallish group of JA field ops who wanted a portable mountain-topping rig; maybe a little bit of HF on the side; or those JA ops bound to a low-power constraint by their license class. Selling price would be low, and feature count would be high. But something went awry - in a very big way. The FT-817 was an overnight smash hit, and international sales - especially in the US -- accelerated like a cannon shell.

A "Holy Grail" rig? Hardly. But the market-timing was near perfect. Coat-tailing on the success of SGC's 2020 and Elecraft's K2, the cheap, ready-to-play '817 game boy' quickly vaulted out of it's "niche" market and captured the "commodity" market -- selling rigs by the boat-load, into the tens-of-thousands of units. The 2020's and K2s - the true vertical market rigs -- would hold their respective "niche" followers, but the FT-817 would capture the hearts and Visa cards of the masses.

It's appeal to "born-again" hams - old duffers with dusty tickets, trapped in condo's and retirement apartments, was phenomenal. Old geezers who hadn't fired-up a rig since they neutralized their last 6146 were taking the plunge - into our world - HF QRP radio! Thanks to Yahoo!groups, there are abundant accounts of "first 817 DX contacts." Pres Waterman/W2PW's FT817 group and Bonnie Crystal/KQ6XA's HFpack - pedestrian mobile group are now filled with the 817-devoted. These web "niche" groups combined, are nearly double the size of QRP-L in total membership. The FT817 group, alone, is about the size of QRP-L - all based on a single, "flawed" QRP rig - the FT817.

So what's my point? Simple. As the QRP commodity market grows, rig selection becomes much richer. Competition increases and prices (on average) decrease. Most important to me; some companies will continue the pursuit of the Holly Grail - the rig of your wildest dreams! Will we ever see it? Heck, I don't know... we're just getting to the interesting part of the movie ! Not a bad time to be a ham is it? :)

Details... some one asked me if there are separate HF/VHF ant connectors on the 897. Yes! And how much power will the 897's ATU will handle. Dunno yet. But you can bet the ranch that the 897 (Grail or not) will cover the 162.55 WX Band :)!

See.. I told ya we're getting closer to the Grail...;)!

Peace,

Conrad Weiss
NN6CW

Date: Fri, 24 May 2002 13:33:32 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <radman@best.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127279] Re: FT817s, Grails & the comodity market...
Message-ID: <008201c2034a\$46779320\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> But you can bet the ranch that the 897 (Grail or not) will cover the
> 162.55 WX Band :)!
>
> Conrad Weiss
> NN6CW

Thing is, on the 'suitcase' that is the 897, wx coverage isn't that
important.
(At least not as important as the fact it was MISSING on the 817 was!)
220 would be nice though....

Mike

Date: Fri, 24 May 2002 13:49:47 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127280] Re: FT817s, Grails & the comodity market...
Message-ID: <3CEE7D3B.7060500@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Conrad Weiss wrote:

>But you can bet the ranch that the 897 (Grail or not) will cover the 162.55
>WX Band :)!
>
>
>
<Friday comment>

Yes, but just how sensitive will it be on 162.55. <g>
</Friday comment>

Ed Lawson
K1VP

>
>

Date: Fri, 24 May 2002 18:49:10 +0100
From: euramcom pages <mel@euramcom.freemove.co.uk>
To: <qrp-l@yahoogroups.com>
Cc: <qrp-l@lehigh.edu>
Subject: [127281] Yaesu FT 708 manual?
Message-ID: <T5b10387b60ac1785c30b3@pcow058m.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Gangues,

Resurrected a Yaesu FT 708 but I don't have a handbook of any=
kind
for it (operator's manual even)

Anyone know of a source, or could let me have a photocopy of=
smae,
expenses covered of course

Don't know/remember how to put in memory channels and so on.

Regards

mel

Date: Fri, 24 May 2002 14:13:44 -0400
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [127282] Re: Crystal designators
Message-ID: <000501c2034e\$bec35540\$2bec5b0c@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Tom, despite what others may say go ahead and use whatever crystals you find in your tube rig and they will work just fine. At QRP levels the small crystals will do just fine. If, however, you find that the crystal has a chirp that is an indication of heating and is easily solved with the addition of a 10 ohm resistor in the grid lead of the crystal.

On the other hand if you are planning a 20 watt 6L6 oscillator with 450 volts on the plate then expect trouble.

The NoGa "Twin Tube 80" works just fine with the little crystals.

Mike Branca W3IRZ in Conyers Georgia

Date: Fri, 24 May 2002 18:30:26 +0100
From: Wayne Scace <WM-Scace@wiu.edu>
To: "low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127283] Happy Dance!!!
Message-ID: <5.1.0.14.0.20020524183017.0213bdc0@POP3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
Wayne K9DI es Sequoia here. I'm doing the HAPPY DANCE cause about 15 minutes ago the UPS person dropped off my Rigblaster +!!!!!!!!!!

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
k9di@qsl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
QRPp-L# 243
FPQRP-L# 217
SOC# 452
ARS # 1,082

Zombie # 800
<http://www.qsl.net/k9di>

Date: Fri, 24 May 2002 16:12:47 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [127284] bug wanted
Message-ID: <5.1.0.14.1.20020524161131.00a70b60@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

Does anybody have a semiautomatic key they'd consider selling? Anythng that works would be fine. Appearance isn't an issue - I'm not into collecting.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 24 May 2002 15:35:09 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127285] Re: bug wanted
Message-ID: <001001c20362\$7f9a6b60\$92b87044@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Does anybody have a semiautomatic key they'd consider selling?

Well... I have a Vibroplex Blue Racer 2000 I'd sell. I also have the "bug tamer" for it to slow it's minimum speed down. It's unused except for my trying it out once or twice so in like new condition. \$160 with the bug

tamer kit.... or about \$50 off new.

Mike, W9WIS

Date: Fri, 24 May 2002 17:20:19 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [127286] Key/Keyer Question
Message-ID: <15f.e334bd5.2a200893@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Good afternoon,

I have a key/keyer combination I am thinking of parting with. It is a Galbraith Keyer, no memory, adjustable speed pot on the front, built on a heavy duty green base. Runs on an internal 9 volt battery. It also has "Branch 05 Brass pounders" on the front. I believe it is from New Zealand. Could anyone give me a possible value on this item? Thanks for the time and have a safe Memorial Day weekend.

72

Steve N4TKP

Date: Fri, 24 May 2002 14:31:20 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Cc: Keith Doughty <kdoughty@gwtc.net>
Subject: [127287] N0SXX Operating from Colorado Trail
Message-ID: <20020524213120.35201.qmail@web11604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi guys!

I'll be out on the Colorado Trail this Saturday and Sunday (may 25/26) night. I'll try to be on 20 meters (14.060+/-) at about 7:30PM MST for an hour and then on 40 meters (7.045+/-) at about 8:30PM MST. Hopefully I'll be on at other times and other bands but gonna try those times for sure. I've got a sked setup with WU0H in South Dakota on 40 at 8:30.

We'll be hiking Segment 4 of the trail. This segment is primarily in the Lost Creek Wilderness and is 5 to 10 miles south of Bailey, CO. Elevation runs from around 10,500 feet to 8300 feet. We got about 8" of snow last nite so it mite be soggy up there!

Its always great fun to work a few QRPL guys so I hope some of you can make it! I'll be putting some pics and my logs out on my web site shortly (+/- weeks?) after the hike. Mebbe some picture qsls also.

Hope to cu there.
73, Gary

PS - Colorado trail runs about 450 miles from Durango to Denver... supported by a great organization, the colorado trail foundation. If ur interested there's a lot of good info at: <http://www.coloradotrail.org/>

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://members.fortunecity.com/gdslagel>

Do You Yahoo!?
LAUNCH - Your Yahoo! Music Experience
<http://launch.yahoo.com>

Date: Fri, 24 May 2002 14:31:45 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127288] electronic keyer
Message-ID: <005301c2036a\$68272dd0\$2e811c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

CW OPS:...Hi Gents...I have a Curtis C-mos EK-430 for sale...it has its own power supply...battery powered too...has adjustable pitch, weight, speed and volume controls. it has tune and will key both solid state or tube transmitters...grid blocked or cathode keyed...it has a speaker and can be used as a practice oscillator...\$35.00 shipped USA...thanks
john...72...kf7om

Date: Fri, 24 May 2002 18:43:28 -0400
From: "David E. Shelton" <n4in@iolky.com>
To: <ft817@yahooogroups.com>, <qrp-l@lehigh.edu>
Subject: [127289] MP-1, FT-817 and accessories SOLD
Message-ID: <OPEGILHPFKLEHELAEGJGGEFMCHAA.n4in@iolky.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all that inquired.
73,
David, N4IN

Date: Fri, 24 May 2002 17:57:44 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [127290] VN10K's needed
Message-ID: <000701c20376\$6bdaa270\$c7362bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have about 10-15 pieces of VN10K they'd like to sell or trade
for junkbox parts?

Thanks

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

End of QRP-L Digest 2565
